Technology in action

http://www.sagem.com

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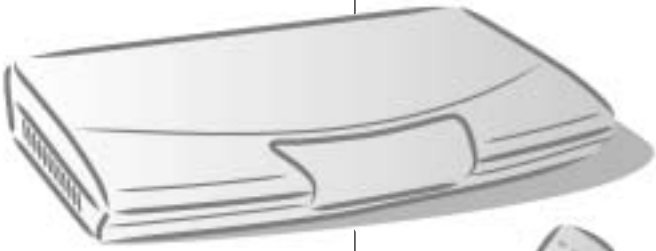
251765561A

DIGITAL TERRESTRIAL TV RECEIVER WITH PHOTO CARD READER

ITD 66



USER MANUAL

ENGLISH

SAGEM

Technology in action

QUICK START

CONGRATULATIONS!

This new generation of Set Top Box gives you access to new digital services and makes it easy for **you and your family to choose the very best experiences** of Digital TV.
Once you have connected your Set Top Box and adjusted it according to your preference, you can enjoy all the services.
You can update your Set Top Box **through the antenna stream as new functions and services become available.**

Sagem set top box operates a policy of continuous development. Therefore we reserve the right to make changes and improvements to any of the products described in this manual without any prior notice.
The EMC Directive 8913361EEC is applied to this product. SAGEM is a registered trademark of SAGEM SA.

The CE marking certifies that the product meets the essential requirements of Directive 1999/5/CE of the European Parliament and of the Council pertaining to microwave radio equipment and telecommunication terminal equipment, for the safety and health of users, for electromagnetic interference. Furthermore, it efficiently uses the frequency spectrum attributed to ground and spatial communication to prevent damaging interference.
The declaration of compliance may be looked up on the www.sagem.com site, section support, or can be obtained from the following address:
SAGEM SA - Customer relations Department
4, rue du Petit Albi - 95800 Cergy St Christophe – France

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ITD 66
Free to View Digital TV Receiver with photo card reader

Quick Start Guide

IMPORTANT NOTICE

Before unpacking this product further,
Have you or your local store checked your Postcode for reception ?

Telephone number for your local store is on your bill receipt.

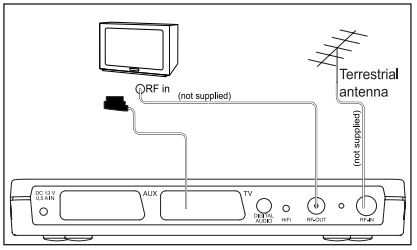
Should your Store be unable to help, please check the following Website Links for Digital Terrestrial signal coverage :
http://www.dtg.org.uk/consumer/freeview.html
http://www.freeview.co.uk
http://www.bbc.co.uk/digital

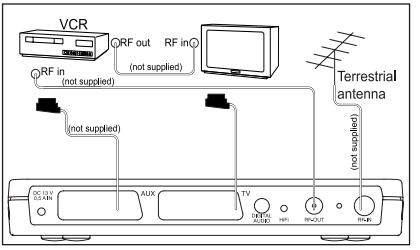
Please note : In order to receive quality digital signal you may need an aerial upgrade.

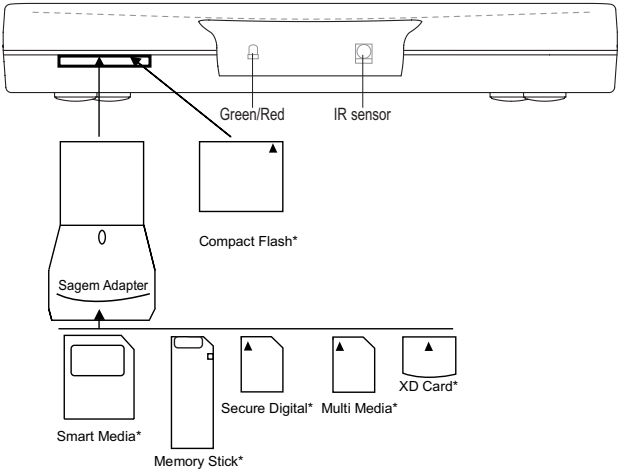
QUICK START

Connection diagram

• ITD 66







The card reader accept CFI and CFII
The card reader adapter accept SM™ (smart media), MS™ (memory stick), MSPRO™ (memory stick pro), SD™ (secure digital), MMC™ (multimedia card), XD™ Card

Note:
If it is not fully inserted, the « memory card » will not work
It is better to remove the « memory card » after return in tv mode
Don't insert two cards at the same time

* not supplied

QUICK START

Installation Guide

Getting Started

- ⇨ Unpack your SAGEM free to view digital receiver and check for the following accessories : User Manual, remote control, batteries, power cable, scart cord and memory card adapter.
- ⇨ Disconnect power to all your existing equipment.
- ⇨ Locate product in preferred position.
- ⇨ Connect all equipment as shown in the diagram on the adjacent page.
- ⇨ **Finally,** once all other connections are made, connect power and switch on your television set.

Setting up your Set Top Box

- ⇨ Switch on your Set Top Box. Your television switches to external input. If your television does not switch automatically, select the external input to which the Set Top Box is connected (refer to your TV handbook for details).
- ⇨ The Set Top Box displays a first time installation message. Press **OK** to continue.
- ⇨ Press **OK** to confirm menu language and user country set up.

  Your Set Top Box will now search for all available channels.
  Please be patient as this process takes a few minutes.
- ⇨ When completed, press **OK** to save the channel list. You should now be watching **Digital Television**.
- ⇨ Select your preferred digital channel using the **Up arrow/Down arrow key** button or the numbered keys on your remote control.
- ⇨ **Your Set Top Box is supllied with default code 1234.**

Reception issues

- ⇨ If no reception or less than 10 channels are found, picture freezes, blanking out or blocking occurs, please re-check all connections and repeat the automatic tuning procedure above.
- ⇨ Problems with setting up your Set Top Box could be caused by incorrect signal levels. Your aerial system may need realignment or to be upgraded. Contact your retailer for details.
- ⇨ In case of persistant problems despite of correct signal level, contact your retailer or call SAGEM helpdesk at **0870 2488227**.

Reasons to upgrade your aerial installation

They are 3 main reasons why you may need to upgrade your aerial :

1. **your current aerial and cabling may not be able to receive all the digital channels due to its age and condition,**
2. **in your location the digital channels may be transmitted on a different frequency to your analog signal and you may need a different type of aerial to receive them,**
3. **the new digital channels may be transmitted from a new transmetter and if this is the case, the aerial would have to be re-aligned. Alternatively you could add a second aerial to your system.**

For further informations, please contact your retailer.

Warnings

Interference – Do not place your Set Top Box near appliances which may cause electromagnetic interferences (i.e. hi-fi speakers). If you do, it may adversely affect the working of the unit, causing the picture or sound to distord.

Covers – Do not remove any fixed covers as this may expose dangerous voltages.

Weather – It is advisable to unplug the aerial during a thunderstorm. Even if your Set Top Box and TV are switched off they can still be damaged by lightning strikes.

Ventilation – The ventilation holes in the casing of your Set Top Box prevent it from over heating. Do not block or cover these holes, especially with cloth or paper. If your Set Top Box is to be built into a compartment or similary enclosed, make sure that there is a gap of at least 10 cm on both sides and 20 cm at the top and back of the unit.

Damage – Never use your Set Top Box if it is damaged in any way. Always place your television on a flat level surface avoiding anywhere which may be subject to strong vibration.

Batteries – Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.

Temperature – Avoid extreme temperature, either hot or cold. Place your Set Top Box well away from heat sources such as radiators or gas/electric fires. Do not place candles or table lamps on or near your Set Top Box.

Moisture – Do not allow your Set Top Box to be exposed to rain, moisture or dust. Do not place a plant or flowers which may need wateringon your TV. If any liquid is split into your Set Top Box it can cause serious damage. If you spill any liquid into your Set Top Box switch it off at the mains immediately and contact your retailer.

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1. GENERAL INFORMATION

1-1 SAFETY

Use of your Set Top Box is subject to safety measures designed to protect users and their environment.
In order **to keep the high performance of your Set Top Box, it should:**

- **be located in an indoor place to protect it from lightning, rain and direct sunlight,**
- **be located in** a dry and well-ventilated place,
- be protected from damp,
- be installed in a way to avoid violent shocks,
- **be plugged directly into** the mains with the cords provided with the Set Top Box. The use of an extension cord is not recommended,
- do not place anything on top of your Set Top Box as this will restrict ventilation.

Be careful

- Contact with **a liquid would lead to deterioration of your Set Top Box, which could cause failure.** Never open your Set Top Box.
- Like any electronic device, the Set Top Box contains fragile components. It should thus be installed in a place where it is unlikely to fall and out of reach of children.
- The case of the Set Top Box can be cleaned with a soft and dry cloth. Do not use any type of abrasive pad, scouring powder or **solvents, such as alcohol or turpentine, as they could damage the surface of the case.**
- **The Set Top Box must be disconnected from mains supply (from wall socket or rear panel) before any modification of connection between** TV, VCR or antenna.
- Use only the SAGEM power adaptator given with the decoder to connect the STB to the mains. Other practice may be dangerous.
- Do not forget to put the batteries inside the remote control unit.

1-2 PACKING LIST

Your Set Top Box is delivered with the following components:

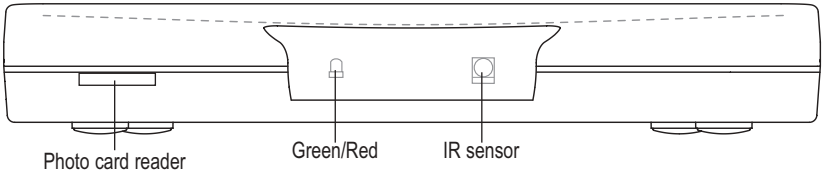
- a remote control unit,
- 2 batteries (R6) for the remote control unit,
- a scart cord for connection to the TV set
- AC/DC adapter,
- this user's manual,
- a memory card adapter.

1-3 CONNECTION TO THE MAINS SUPPLY

The Set Top Box must be connected by the AC/DC adapter to a 220-240 V wall socket. Turn on the mains power on the wall.
Be advised to put your Set Top Box in standby when not used.

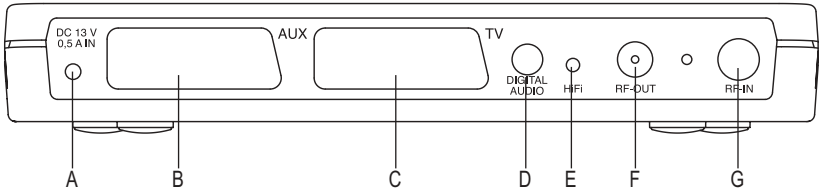
2. GENERAL DESCRIPTION

2-1 FRONT PANEL DESCRIPTION



Red LED	Stand-by mode.
Green LED	Reception of commands from remote control.

2-2 REAR PANEL DESCRIPTION



A – Connector for external AC/DC adapter
B – Scart socket for VCR/AUX connection
C – Scart socket for TV set connection
D – DIGITAL audio output
E – Mini jack for audio L/R output
F – RF Output for TV
G – Aerial input

2-3 REMOTE CONTROL UNIT

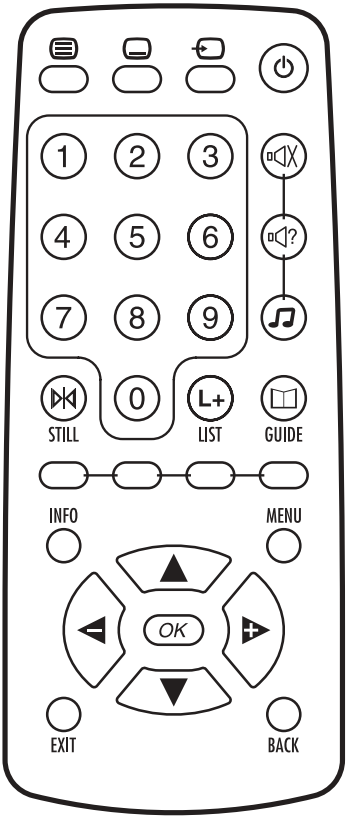
2-3-1 Battery installation

The remote control unit requires two AA or R6 batteries for operation.
The diagram inside the battery compartment will show you how to insert the batteries

Warning: Only use the appropriate batteries, according to the manufacturer specifications (see "Outline specifications" section on §7.16). The provided batteries are not rechargeable. Bring back the defective or empty batteries to your local waste disposal in accordance with the current regulations. Do not dispose of used batteries in your dustbin.

2. GENERAL DESCRIPTION

2-3-2 RCU operation



KEY	NORMAL MODE	PHOTO MODE
⏻	Standby/Switch on	Standby/Switch on
☰	Text	
▭	Subtitles	
⏎	TV/AUX	
0-9	Numerical keys	
🔇	Audio Mute	
🔊	Audio track	
♫	Radio mode	Radio mode
⏭	Still video	Slide show on/off
L+	Change favourite list	Next Page
📖	Guide	
Red	Mheg Function	
Green	Mheg Function	Full screen/ full image
Yellow	Mheg Function	Rotation Left
Blue	Mheg Function	Rotation Right
INFO	Information	Photo Information
MENU	Menu	Photo Menu
EXIT	Exit	Exit Photo mode
BACK	Previous channel and Back in menus	Return to thumbnail mode
◀	Audio volume - and Left arrow for navigation	Next photo and left arrow for navigation
▶	Audio volume + and Right arrow for navigation	Previous photo and right arrow for navigation
▼	Channel - and Down arrow for navigation	
▲	Channel + and Up arrow for navigation	
OK	Smart List and Confirm in setup menu	Display Picture

Be sure to point the remote control unit directly towards the Set Top Box.

3. CONNECTIONS

3-1 INTRODUCTION

There are several ways of connecting the Set Top Box to your audio/TV system. Some of the methods enable you to listen to music in stereo sound of CD like quality.
Consult your local supplier for assistance in setting up an audio/video configuration best suited to your unique requirements.

Warning:
Disconnect the Set Top Box from the mains before connecting or disconnecting any device to it.

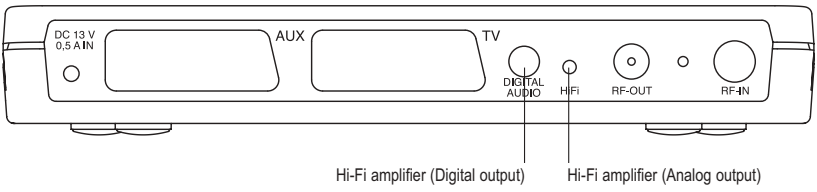
3-2 CONNECTION TO TV SET, VCR AND ANTENNA

Only connect your terrestrial antenna when the Set Top Box is unplugged.
The Set Top Box connects directly to your TV by a scart connector which includes RGB signals to guarantee optimum image quality. Connect the supplied scart cable between the TV scart connector of the Set Top Box and the main scart connector of the TV (the one with 3 points indicating that RGB provision is available).
Then connect the Set Top Box (AUX scart connector) to your VCR or DVD player (main scart connector on the VCR or DVD player). The scart cord is not supplied.

See Connection diagram page II.

Note:
ITD66 is not equipped with an RF modulator. You can't see digital programs via the RF cord on another TV set.

3-3 HI-FI AMPLIFIER



You can connect your Set Top Box to your Hi-Fi amplifier (standard, with equalizer or even better, Prologic) to obtain excellent listening comfort comparable to those of audio programs.
Volume adjustment is possible directly from your Set Top Box only on analog output.

4. FIRST TIME INSTALLATION

4-1 GENERAL INFORMATION

Once you have correctly connected the Set Top Box, you also have to perform a “First time installation”. During this procedure, helpful information is displayed at the bottom of the menus.

Please note!
The OK button always confirms a selection within these menus, and pressing it will take you to the next step in the installation process. However, and this is important, often more than one value has to be entered in a menu. First, perform all necessary settings on the different lines. Then, confirm them all simultaneously by pressing OK.

• Use **cursors** ▲ **and** ▼ to move upwards and downwards from one line to another.

• Use **cursors** ◄ **and** ► to change settings.

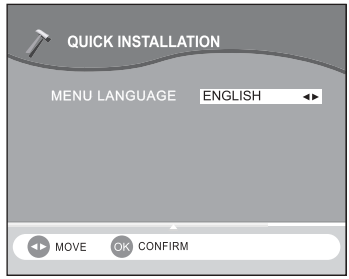
You can also use the numerical keys on the remote control to enter numeric values.

4-2 FIRST TIME INSTALLATION

• Plug in your Set Top Box.
• The “First time installation” menu is shown.
• Press OK to continue.

4-3 LANGUAGE

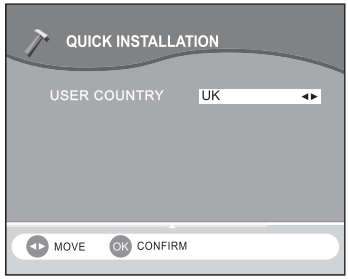
• Select the desired language with cursors ◄ and ►



4. FIRST TIME INSTALLATION

4-4 COUNTRY

• Select the desired country with cursors ◄ and ► . This will also set the current time.



4-5 CHANNEL SEARCH IN PROGRESS

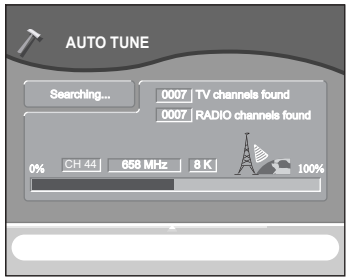
This menu will be shown as the Set Top Box is searching for TV and radio channels.

Please note that the search procedure may take a few minutes.

You can cancel the search at any time by pressing **EXIT**.

When the search procedure has ended, a message will indicate how many TV and radio channels have been found.

• Press OK to finish the first time installation and to open the door of Digital TV.

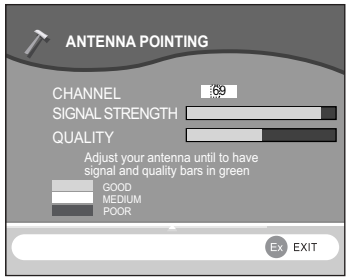


4-6 AERIAL CHECKING

If the channel search has found no channel, this screen is displayed to help you adjust the aerial.

Enter a channel number (refer to http//www.dtg.org.uk/retailer/tx_details/_tx_index.htm. For example, Oxford channel numbers are 29, 34, 48, 51, 52, 68. These numbers depend on broadcasters and are subject to change.) and move the antenna until the signal and quality bars are green.

When signal and quality are green, press OK to launch a new channel search.



5. ADVANCED BOX SETTINGS

5-1 PRELIMINARY / INSTALLATION CODE

Your Set Top Box is supplied ready to use for a standard configuration.

TV : 4/3 format, RGB

VCR : PAL

Access to the installation screens shown below will enable you to adapt your Set Top Box to your favourite equipment.

Generally, access to set up in main menu is obtained by pressing the MENU key.

You can memorise your selections by pressing the OK key.

Return to the previous screen by pressing the BACK key.

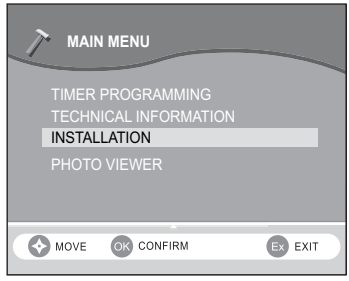
Exit from all the screens by pressing the EXIT key.

Use cursor ▼ to move down to the INSTALLATION line and press OK to confirm.

Access to the installation menus is protected by a secret installation code to avoid any unintentional misadjustment.

Your Set Top Box is supplied with default code 1234.

Note: you will not be prompted to enter any code as long as the installation code is 0000.

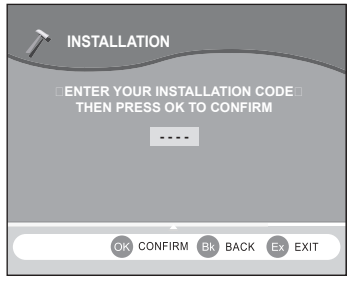


Enter your code.

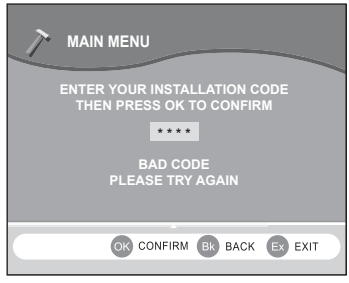
As soon as each value is entered, the segment is replaced by a star.

Using cursor ◄ of the remote control unit, you can come back to a value that has already been entered and modify it provided the code has not been confirmed by OK .

After entering the four digits press OK to confirm.



An error message will be displayed if the code you have entered is not correct.

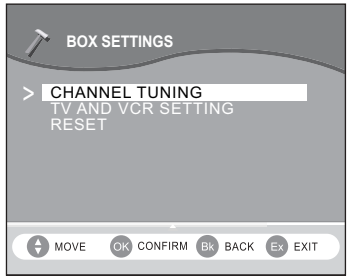


5. ADVANCED BOX SETTINGS

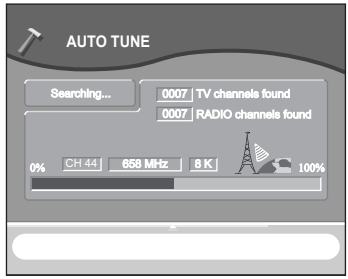
5-2 CHANNEL SEARCH: AUTO TUNE

This installation will complete list A with all the channels found during the scanning of all the frequencies.
This list is a summary of all the channels and will not be modified.
It will be possible to create personal lists based on this reference list, also called list A (see chapter 6.4).
It would be advisable to launch a channel search monthly in order to keep your Set Top Box up to date.

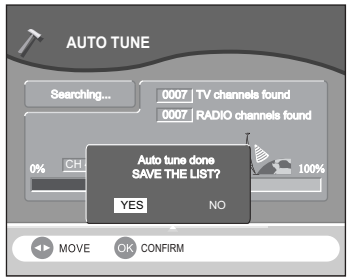
Press (OK) enter channel tuning.



An indicator at the bottom of the screen will indicate the percentage of the scanned frequency band.
The current frequency found is displayed in real time.



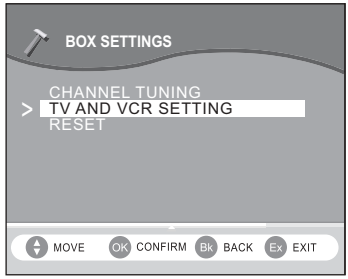
A message at the end of the scanning process will ask you to memorize. Press (OK) .
You can cancel the scanning process at any time by pressing the EXIT key.
You can memorize or not.



5. ADVANCED BOX SETTINGS

5-3 AUDIO/VIDEO INSTALLATION

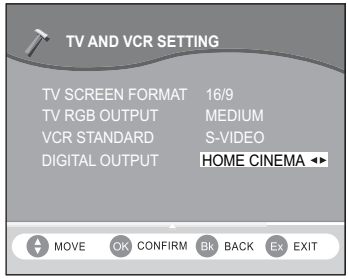
Press (OK) for access to this menu.



5-3-1 TV

A number of choices are available.

Scroll through the choices using cursors ◁ or ▷ .



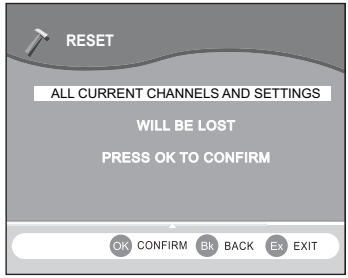
- TV format (aspect ratio): 4/3 Panscan, 4/3 Letter box or 16/9.
- TV RGB output: medium, low or high at your convenience.
- TV RGB output: none if you want to have PAL video output.
- VCR standard : PAL or S-Video
- Digital Output:
  - HOME CINEMA: Send AC3 audio data to the digital output when available, default audio track otherwise
  - Stereo: Send to the digital output stereo audio data

After a final check, press (OK) to memorize the settings.
Press BACK to continue installation or EXIT to terminate.

5-4 REINSTALLATION - RESET

Use this option **only** if you have to start the complete installation procedure all over again. If you continue from here, **all** your previous settings, access code and favourite channels, etc. will be erased!

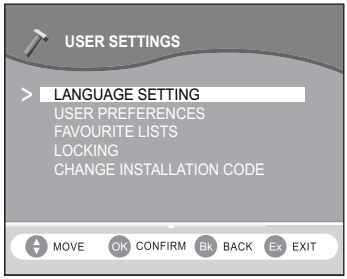
If you do not want to perform a reinstallation, you can leave this menu when the warning is displayed by pressing the BACK **or** EXIT **key.**



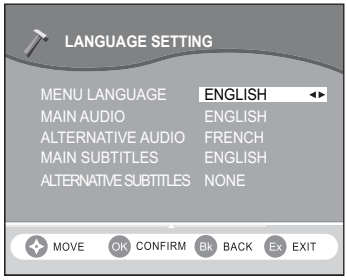
6. USER SETTINGS

6-1 LANGUAGE SETTING

Press (OK) for access to various configurations.
Select LANGUAGE SETTING and press (OK) to confirm

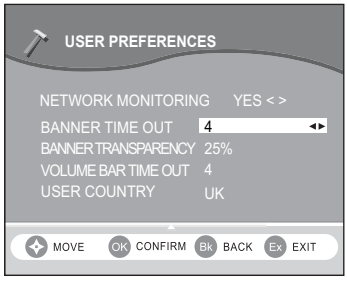


- MENU LANGUAGE
  You may select the menu display language.
- MAIN AND ALTERNATIVE AUDIO LANGUAGES
  If more than one audio language is transmitted, you may select the main and the alternative languages.
- SUBTITLES
  If more than one subtitle is transmitted, you may select the main and the alternative subtitles. To have no subtitle, select NONE for main or alternative subtitle.



6-2 USER PREFERENCES

(APPEARANCE PREFERENCES)



- NETWORK MONITORING
  No if you don't want the decoder scan automatically if new channel is present.
- BANNER TIME OUT
  When you switch channels, an information banner will be shown for a few seconds.
  You can select for how long the banner will be shown (0 to 5 seconds).
  0 second to have no banner displayed when zapping.
- BANNER TRANSPARENCY
  When you switch channels, an information banner will be shown for a few seconds.
  You can select the transparency aspect of the banner (0% for full blue, 100% for full transparent).
- VOLUME BAR TIME OUT
  Select how long the volume bar will be displayed (0 to 5 seconds).
  0 second to have no volume bar displayed. Press (OK) to confirm.
- USER COUNTRY
  The time is set from the GMT time by using cursors ◁ or ▷ and selecting the country where you live. Press (OK) to confirm.

6. USER SETTINGS

6-3 FAVOURITE LISTS INSTALLATION

This function will enable you to make up a FAVOURITE list of the TV or radio type from the reference list A (built from provider (transponder) installation or a scanning) and erase it entirely to reconstruct a new one.

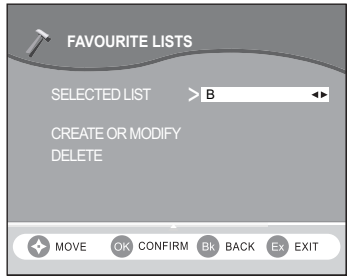
CREATION

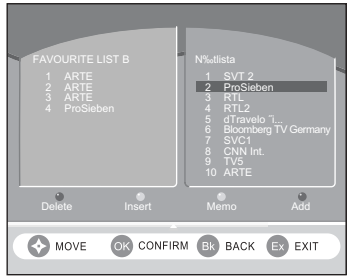
Two lists are displayed simultaneously.

- The list on the right side is the reference list (issued from transponder or scanning installation).
- The list on the left side is the list under construction.

Use cursors ◄ and ► of the remote control unit to move from one list to another.

Use cursors ▲ and ▼ of the remote control unit to move through a list. To improve navigation inside a list, you can enter directly the number of a channel, and the index will go directly on it.





To copy a channel from list A to favourite list (B to H), place the index on the program to be transferred and press the blue key. Restart as many times as necessary.
At the end of creation, memorise using the yellow key.

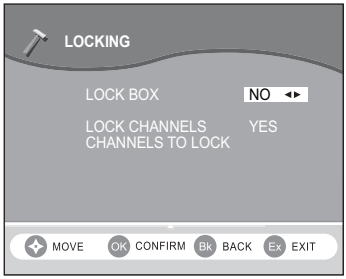
MODIFICATIONS

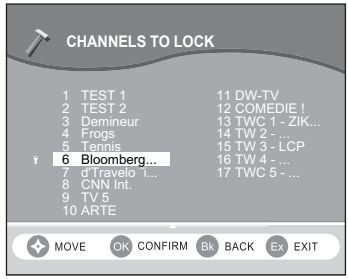
At any moment, you can modify your favourite list (B to H). Memorize at the end using the yellow key.

- To erase, place the index on the channel to be erased and press the red key.
- To insert a new channel from main list A (for example if you have forgotten to put it in number 5). Move the index in the list A (all channels), select it by pressing the green key (the index moves to the favourite list).
  Move the index in your favourite list up to the channel just after the number where you want to insert (example 6), press the green key.
- To move a channel from one place to another in a favourite list, delete it and then insert it from the main list to the place you want.

6. USER SETTINGS

6-4 LOCKING





4 types of locking are provided:

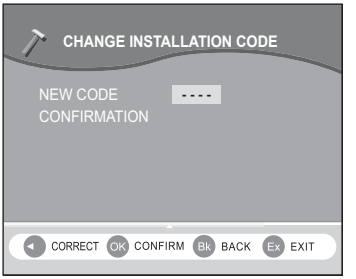
- Select Lock Box (yes/no) for general locking. This represents the highest Set Top Box locking level. You will be prompted to enter your code each time you switch on your Set Top Box.
  Note: this locking will be activated after one standby/on cycle.
- Select Lock Channels (yes/no) for locking activation. This locks or unlocks all the locked channels in one operation.
  This offers the advantage of being able to lock several channels and unlock them temporarily.
- Select Channels To Lock for individual channel locking: you can choose to lock only selected channels. To do so, navigate through the channels using cursors ▲ and ▼ and press OK each time you want to lock a channel.

6. USER SETTINGS

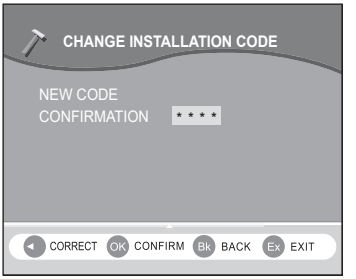
6-5 CHANGING PROTECTION CODE

Enter your new code.
The first segment blinks until its value is entered, then the second segment blinks, etc.
As soon as the value has been entered, the segment is replaced with a star.

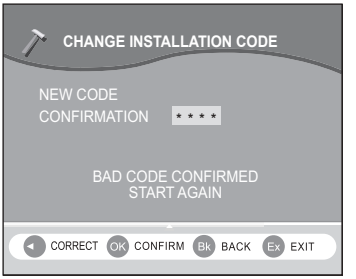
Use cursor ◁ on the remote control unit to come back to a value that has been entered and modify it until the whole is confirmed by OK . In this case, the value becomes a blinking segment again, indicating that entry is possible.



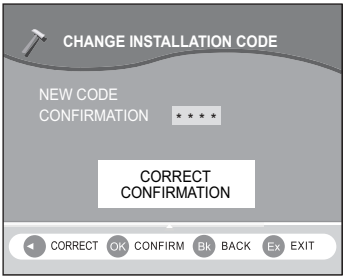
Enter the same new code to confirm it.



If you have not entered the right code, you will see an error message.



Indication of correct acknowledgement.



Note: use value “0000” if you do not want to enter any protection code.

7. USING YOUR SET TOP BOX

7-1 CHANNEL CHANGE

The Set Top Box provides several ways of channel switching:

- **Using ▲ and ▼ on the remote control unit:**

  The Set Top Box switches to the next service up (▲) or the next service down (▼) from the current channel.

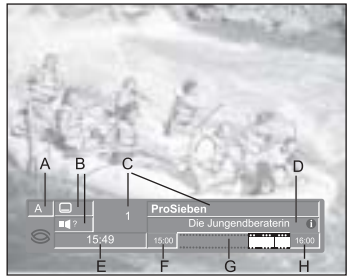
  Type in a single digit (1), which is displayed on the screen banner, e.g."1--".
  If you do not type in another digit within 2 seconds, the digit is displayed in the first digit position on the screen banner, the second and the third digits are blanked out and the video and audio playing process is activated on the new Video service, e.g. "1" .
  If you type in another digit (2), this is displayed in the second digit position, e.g. "12-".
  If you do not type in another digit within 2 seconds, the two digits are displayed in the first and second digit positions on the screen banner, the third digit is blanked out and the video and audio playing process is activated on the new Video service, e.g. "12".
  If you type in another digit (3), this last digit is displayed in the first digit position on the screen banner and the video and audio playing process is activated on the new Video service, e.g. "123".
  If the numerical code entered does not correspond to a video service in the list, the Set Top Box selects the first lower video service in the list.

- **Previous channel:**

  The BACK key enables you to zap between the current channel and the last channel viewed.
  For example, you can use this key when waiting for a movie to begin.

7. USING YOUR SET TOP BOX

7-2 PROGRAM INFORMATION



Every time you change channels, you will receive program information for a few seconds (in the User preferences menu, you can select how long this information will be shown).
The information may include:

Ⓐ Channel list

Ⓑ Number of audio tracks and subtitles available

Ⓒ Channel number and name

Ⓓ Name of the current program

Ⓔ Current time

Ⓕ The start and end time of the current program

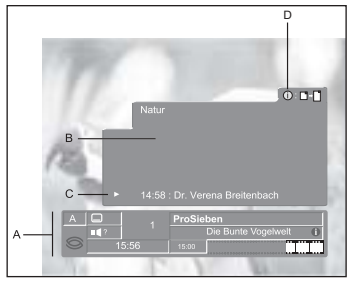
Ⓖ A bar, indicating the elapsed time of the current program

Ⓗ The start and end time of the next program.

Program information will only be available if it is included in the transmission.

You can change directly the transparency of the zapping banner: press INFO for 2 seconds, adjust with cursors ◁ and ▷ then press OK to save.

7-3 EXTENDED PROGRAM INFORMATION



The Set Top Box can display information about programs currently being broadcasted as well as those that will be broadcasted next.
By pressing **INFO** while watching TV, you will get the "Program information" banner.

Ⓐ Program information (see chapter 7-2)

Ⓑ Short summary

Ⓒ Next program

If necessary, use L+ key to continue reading on the next info page.

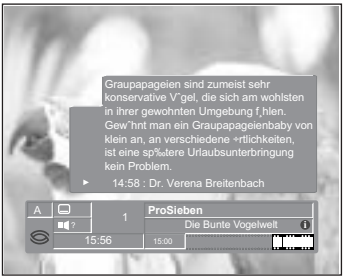
7. USING YOUR SET TOP BOX

If the ⓘ icon is displayed (see D), an extended summary is available.

Press **INFO** to display it.

Use cursors ◁ and ▷ to switch between the current and the next program information.

When there is a lot of text information, use cursors ▲ and ▼ to continue reading on the next info page.You can see another channel information by pressing cursors ▲ and ▼ .


Graupapageien sind zumeist sehr konservative V˜gel, die sich am wohlsten in ihrer gewohnten Umgebung f‚hlen. Gew˜hnt man ein Graupapageienbaby von klein an, an verschiedene ÷rtlichkeiten, ist eine sp‰tere Urlaubsunterbringung kein Problem.
14:58 : Dr. Verena Breitenbach
A
1
ProSieben
Die Bunte Vogelwelt
15:56
15:00

Pressing OK , you will watch the video.

• Press **INFO** or **EXIT** to return to TV mode.

7-4 TV CHANNELS LIST

• When viewing TV programs, press OK to display the current channels list.

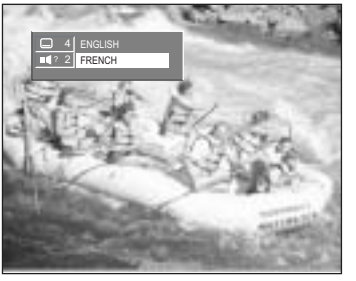
• Move with cursors ◁ , ▷ , ▲ and ▼ select channel with OK .

You can change favourite list with L+ key.

• Without displaying TV list, you can directly change favourite list by pressing L+ key.

7-5 AUDIO LANGUAGE AND SUBTITLE LANGUAGE SELECTION

By pressing ◁? or ▭ , you open the menu that lets you enter **temporary** settings. Settings made in this "options menu" are only valid for the program you are currently watching. If you leave the program and return to it again, the temporary settings will be lost.



7-5-1 Audio language

When available, you can select among the different languages being broadcast.

If a digital audio stream is available, " DA " eg digital audio - will be displayed on the same line than the audio language tag. This allows you to choose between stereo or home cinema audio tracks.

Please note: when you select a digital audio, there will be no sound output from the analogue audio connections.

7. USING YOUR SET TOP BOX

7-5-2 Subtitle language

When available, you can select among different subtitle languages.

- Each time you press one of these two keys, you change language.
- A time out automatically closes this menu.
- The number on the left of each language indicates how many languages are available on this current channel.

7-6 VOLUME ADJUSTMENT

To increase or reduce the volume, use cursor ◄ or ► .

To turn off the sound quickly, press the mute key.

Press the mute key again to restore the sound.

The audio volume cannot be adjusted on AUX Scart and RF output.

7-7 TV MODE

With the button, you can toggle between external connected equipment, such as e.g. a digital terrestrial TV or a video recorder (the video must be switched on).
(This is only valid when the units are connected via SCART cables, and not by RF connection).

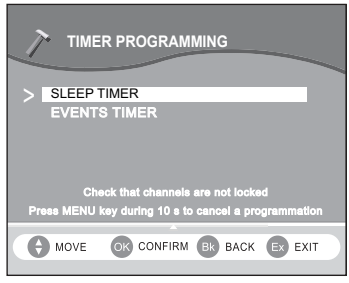
7-8 DIGITAL TEXT SERVICES

Pressing key will launch digital text services when broadcast. These interactive applications give you access to various information.

7-9 TIMER PROGRAMMING

The Timer programming function enables the Set Top Box to:

- switch off at a selected hour (sleep timer),
- automatically switch to your preselected channels at preselected times (events timer).

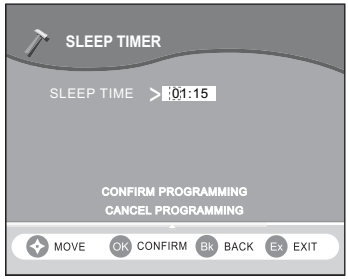


7. USING YOUR SET TOP BOX

7-9-1 Sleep timer

Enter the selected sleep hour.

Confirm with (OK) .

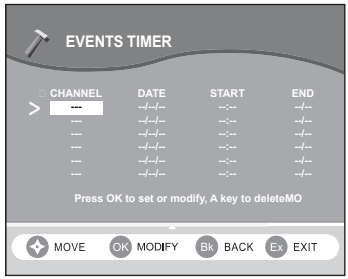


7-9-2 Events timer

This function is for future inovative use.

You can make the Set Top Box start and stop at a pre-defined time.

The timer function is very useful when you want to record a program and you are unable to start/stop the recording event yourself, or when you just want to be reminded of the start of a program you do not want to miss.



Note! The timer function only works when the receiver is in standby.

- Press (OK) to set an event.
- First, select Channel list with numerical keys.
- Set the date using the numerical keys on your remote control (yy/mm/dd).
- If you enter a wrong digit, you can erase it with cursor (◄) .
- Set the start and stop time using the numerical keys on your remote control.

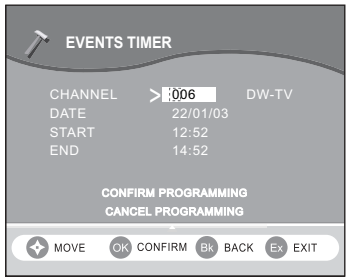
The different start times must not overlap each other. If you try to enter a start or stop time within an already occupied period of time, you will get a warning message about it.

- Select Confirm and press (OK) to save.
- Select Cancel and press (OK) to abort.

Up to 6 different events can be predefined. The events will be sorted in start time order.

At each stop time, the box will return to standby.

During the predefined event in process, you can stop it by pressing the **MENU** key.



7. USING YOUR SET TOP BOX

7-10 ENHANCED PROGRAM GUIDE

To display more detailed information about a selected program, press the ⓘ key. To remove this information, press **EXIT** key.

Ⓐ Resized video is displayed. This video is the current one before entering the EPG.

Ⓑ Channels list of the current list is displayed. Select the chosen channel with ▲ and ▼ and see the associated resized video by pressing OK.

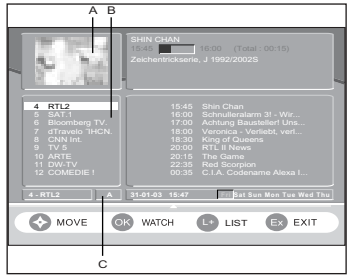
Ⓒ Display the name of the favourite list used.

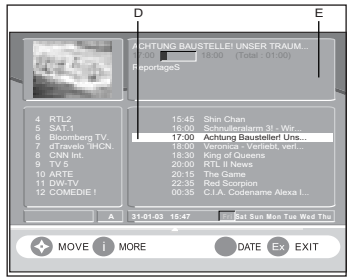
Ⓓ By pressing ▶, the current event is high lighted. You can see all events of the day by pressing ▲ and ▼.

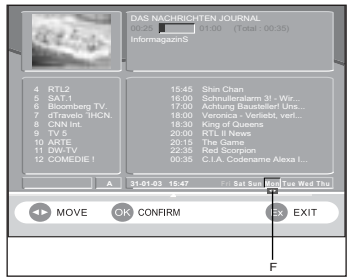
Ⓔ The following information about the selected program is displayed at the top of the screen:
- the time the program begins and ends,
- a bar which fills in as the program progresses,
- the name of the program,
- information about the program's contents (press INFO key to have extended content shown by...).

Ⓕ Press red key to be able to change the date. Then press cursors ◀ and ▶ to change the date (7 days available according to the data sent by the provider).

Note: information about a selected program can be displayed only if available from the broadcaster.







7-11 FREEZE VIDEO

The current video can be frozen using the **STILL** key.
Pressing the **STILL** key again video is then released.
In order to avoid screen burning, brightness is automatically decreased after some minutes. Normal brightness can be recovered pressing the **STILL** key again.
WARNING: keeping the video frozen with full brightness for a long time can damage your TV.

7. USING YOUR SET TOP BOX

7-12 RADIO MODE

Press the ♫ key on the remote control unit of the Set Top Box.

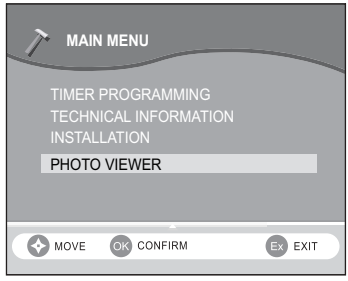
You can move through the list displayed using ▲ and ▼.

You can adjust the volume.

7-13 PHOTO VIEWER

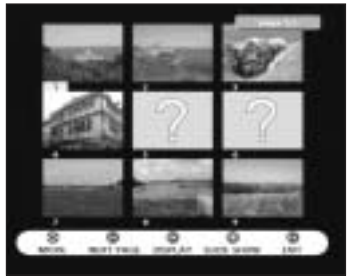
Playing a memory card:
You can launch PHOTO VIEWER by:
- Inserting a memory card
- Selecting "PHOTO VIEWER" function in the main MENU.

The total number of pictures is read and an album screen preview is displayed.
Note: If an event timer is in course you can't play a memory card.



The card reader accepts CFI and CFII
The card reader adapter accepts SM (Smartmedia), MS (Memory stick), MSPRO (Memory stick Pro), SD (Secure Digital), MMC (Multimedia card) and Xd card.

Album screen preview (see page II):
Display thumbnail of the picture if thumbnail is present in the file.
File supported: Jpeg (JFIFF Format)
If the file have no thumbnail or no DCF format thumbnail, decoder will show a ?



◀ ▶ : Change the selected picture

L+ : Go directly to the next page of thumbnail

OK : Display the selected picture

STILL: Run directly the slide show beginning with the selected picture

Exit: Exit from photo Mode to TV Mode. **Menu:** Show the Photo Menu

♫ : Show the Radio Menu

Note: Push ◀ in continuous to go previous pages fastly

7. USING YOUR SET TOP BOX

Photo Album Configuration:
Repeat : Yes to return from the last picture to the first one in slideshow mode.
Display duration: Duration of display between two pictures during slideshow (3s to 20s)
Help Banner: Display help banner during few seconds when a picture is display. Put no if you don't want the help banner.

Help banner:

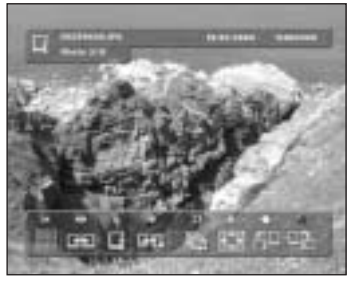
Back: to return to thumbnail mode
▷ to display the next picture

◁ to display the previous picture

INFO: To display information about picture displayed
STILL to begin/stop slideshow

♫ To begin and stop radio
Green: two mode:
- Display the full picture in the TV
- Maximize the size of the picture on the TV

Yellow: Left rotation of the picture
Blue: Right rotation of the picture



Info:
Select a picture to display in thumbnail mode and push OK key.
Push **Info** key to display more info about the picture displayed.
Name of picture, Date of the picture (Exif date if present), Size of picture, number of the picture on the card and total pictures in the card.

Radio:
Push ♫ key to run radio during photo.
Back: to return to Photo Mode push **Back** to exit only radio.
▲ ▼ Select radio.

Note: Mute and radio volume can be adjusted.

7. USING YOUR SET TOP BOX

Picture rotation:
Yellow key: Rotation of the picture in the left direction
Blue key: Rotation of the picture in the right direction

Picture display:
Green key: You can show all the picture in the TV or display a part of the picture in all the TV.

Slide show:
Push **STILL** key to run or stop slide show mode.

Note:
- Use ◁ or ▷ to change faster the picture displayed

- You can use yellow or blue keys during slideshow to rotate left or right.

Exit:
You can **exit** the picture mode removing the card or pushing exit key.

7. USING YOUR SET TOP BOX

7-14 SET TOP BOX ENHANCEMENT

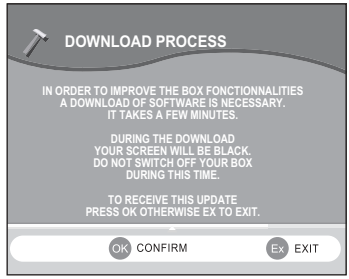
The Set Top Box goes in this state when a new version of software is available on the network after startup.

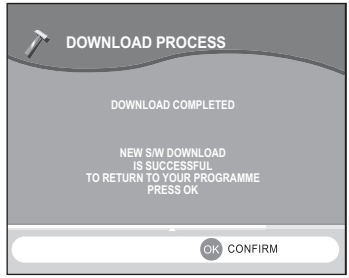
- Red led flashes.
- The Welcome screen is displayed.

Then a screen for " download process " request is displayed.
You can delay the downloading process by pressing the **EXIT** key. This process will be displayed again the next time you switch on your Set Top Box.
When pressing the OK key, the downloading will be performed:

- Then the screen becomes black,
- Flash on led.

During this mode, no action from the user is authorized.
On completion the set top box switch on automaticaly. After startup an information screen is displayed on download completed. Then press OK and enjoy with your last viewed program.
Note: if the download process is not correctly performed, the screen stays black and the green led flashes indicating the cause of the failure (see table below).
When an error occurs, press any key on the remote to continue. Then put the Set Top Box in standby mode and switch it back on to perform downloading again.
If this operation does not succeed, unplug the main cord and the antenna cord. Then plug them again to perform downloading again.


DOWNLOAD PROCESS
IN ORDER TO IMPROVE THE BOX FONCTIONNALITIES
A DOWNLOAD OF SOFTWARE IS NECESSARY.
IT TAKES A FEW MINUTES.
DURING THE DOWNLOAD
YOUR SCREEN WILL BE BLACK.
DO NOT SWITCH OFF YOUR BOX
DURING THIS TIME.
TO RECEIVE THIS UPDATE
PRESS OK OTHERWISE EX TO EXIT.
OK CONFIRM
Ex EXIT



Error Code	Origin of Error	User Action
1, 2 or 3 flashes	Reception error	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
4, 5 or 6 flashes	Flow validity errors	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
7 or 8 flashes	Local errors	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
9, 10, 11 or 12 flashes	Various errors	Acknowledge the message by pressing any key on the remote control. If necessary, repeat your request.
14, 15, 16 or 17 flashes	Defective Set Top Box	Contact your retailer for replacement.

7-15 TROUBLESHOOTING

The remote control has no effect on the Set Top Box	⇨ Point the remote control towards the terminal ⇨ Check the state and polarity of the batteries
The red front panel LED remains on	⇨ Switch terminal from stand-by to on ⏻
A black screen or an error message is displayed	⇨ Perform a new auto tune
Bad reception with a portable antenna	⇨ Move the antenna away from the Set-Top-Box

7. USING YOUR SET TOP BOX

7-16 OUTLINE SPECIFICATIONS

Transmission standards

DVB-T, MPEG 2, OFDM

Tuner (RF Input)

Input Connector: IEC 169-2 Female
RFinput frequency range: UHF 470-862 MHz (8 MHz BW)
RF input level: -90 to –20 dBm
RF impedance: 75 Ohm
COFDM bandwith: 8MHz
Tuning step: 166,66kHz

Ouput Connector: IEC 169-2 Male
Loopthrough F. Range: 47-862 MHz

Demodulator

COFDM mode : 2k / 8k supported
Support SFN
Modulation : QPSK, 16-QAM, 64-QAM
Code rate : 1/2 to 7/8
Mode : Non hierarchical
Guard interval : 1/4, 1/8, 1/16, 1/32.
De-interleaver :12x17 Forney convolutionnal
Outer decoder : Reed Solomon (204,188, 8)

Microprocessor and memories

Processor: IBM power PC CPU 252Mhz, 350 MIPS
RAM memory (PPC+video+photo) 16 Mbytes
Flash memory 4 Mbytes

Demultiplexing/Descrambling

CD ISO/IEC 13818-1 compliant

Video Decoder

MPEG-2 (ISO/IEC 13818-2)
Profile level: MP@ ML
Input rates: 1.5 to 15 Mbit/s
Aspect Ratio: 4:3 and 16:9
Video resolution:
720x576, 704x576, 544x576, 480x576, 352x576, 352x288
Conversion: Pan and Scan, Letter box
Resizing: Down/Up (1/4, 1/16)

Audio Decoder

CD ISO/IEC 13818-3 compliant
MPEG layer I et II (Musicam Audio)
Mode: Mono, Stereo, Joint stereo
Sampling frequency : 32/44.1/48 kHz

A/V Data Input/Output

TV scart
RGB, CVBS, Audio stereo
AUX scart
RGB in, CVBS, Y/C out,
Audio hifi stereo
3.5mm stereo jack
Digital AC3 output
RCA SP/DIF

Memory interfaces

Multipurposes memory interface
Standards supported:
- Compact Flash I & II
- Secure Digital
- Smartmedia
- Multimedia card
- Memory Stick
- XD

External Power supply

AC : 220-240 V ~50 Hz
Output : 12 V DC 700 mA
Power consumption max. 11 W (Stand-by 9,5 W)

Front Panel

1 led
IR sensor: 38 kHz
Flash Memory card reader

Rear Panel

1 x IEC169-2 female (signal input)
1 x IEC169-2 male (RF loop-through)
2 x SCART (TV, AUX)
1 x 3.5mm stereo jack (hifi)
1 x RCA (audio S/PDIF)

Physical Specifications

STB
Color : dark grey / silver
Size (wxdxh) : 220x135x35 mm
Total weight : ~430 g
Operating temp. +5°C to +40°C

Total packing (carton box)
Total weight : ~1.45 kg
Size (wxdxh) : 247x236x80 mm
Storage temp. -25°C to +65°c

Accessories

33 keys Remote Control
NEC Code
Operating range up to 7 m
Batteries 2 x 1.5 V (type AA)

Scart cord

User manual: english

External AC/DC adapter UK plug

Memory card adapter

7. USING YOUR SET TOP BOX

7-17 GUARANTEE (TERMS AND CONDITIONS)

ATTENTION
In order to apply the guarantee, you should contact your dealer or SAGEM helpdesk at 0870 2488227.
Proof of purchase will be required. Should any malfunctioning arise, the dealer or SAGEM helpdesk will advise you what to do.

If you bought your equipment from SAGEM directly, the following shall apply:

1) SAGEM undertakes to remedy by repair, free of charge for labour and replacement parts, any defects in the equipment during a period of twelve (12) months from the date of original delivery of the equipment, where those defects are a result of faulty workmanship.
During this twelve-month guarantee period, the defective equipment will be repaired free of charge; the customer must however return the defective equipment in its original package with all accessories at his/her own expense, to the address given by SAGEM After Sales Department, the phone number of which can be found on the delivery slip. Unless the customer has concluded with SAGEM a maintenance contract for the equipment which specifically provides for repairs to be carried out at the Customer's place, the repairs will not be carried out on the equipment at the Customer's place.
The following sentence applies to purchases of equipment for the customer's trade, business or profession. Except as otherwise expressly provided in this Document and to the extent permitted by law, SAGEM makes no representations or warranties, express or implied, statuette or otherwise, and to such extent, all terms and conditions implied by law are hereby excluded.
This guarantee does not affect the Customer's statutory rights.

2) Exclusions from Guarantee
SAGEM shall have no liability under the guarantee in respect of:
- damage, defects breakdown or malfunction due to:
  - failure to properly follow the installation process and instructions for use, or
  - an external cause to the equipment (including but not limited to, lightening, fire, shock or water damage of any nature), or
  - modifications made without the written approval of SAGEM SA, or
  - a failure or neglect to maintain the equipment or inappropriate maintenance, or
  - unsuitable operating conditions, particularly of temperature and humidity, or
  - repair or maintenance of the equipment by persons not authorised by SAGEM,
  - the removal and/or destruction of the label positioned on the fixation screw of the lower plastic cover
- wear and tear from normal daily use of the equipment and its accessories,
- damage due to insufficient or bad packaging of equipment when returned to SAGEM,
- supply of new versions of software,
- work on any equipment or software modified or added without the prior written consent of SAGEM,
- malfunctions not resulting from the Equipment or from software installed in user workstations for the purpose of use of the equipment,
- communication problems related to an unsuitable environment, including:
  - problems related to access and/or connection to the Internet such as interruptions by access networks or malfunction of the line used by the subscriber or his correspondent,
  - transmission faults (for example poor geographical coverage by radio transmitters, interference or poor line quality),
  - the local network fault (wiring, servers, workstations) or the failure of the transmission network,
- the normal servicing (as defined in the user guide supplied with the equipment) as well as malfunctioning due to servicing not being carried out, servicing costs are in any event always borne by the customer.